

Amendments to and Listing of the Claims:

This listing of claims replaces all prior versions and listings of claims in this application.

Listing of Claims:

1-16 Canceled

17. (New) A data recording, editing and reproducing method for recording, editing and reproducing video and/or audio data (DV data) in the DV format, said method comprising the steps of:

receiving DV data through an IEEE 1394 Interface;

temporarily storing the received DV data into a DV data storage region of a buffer memory;

separating and reading out audio data and/or video data from the DV data stored in the DV storage region of the buffer memory and writing the read out data into audio and/or video data storage regions of the buffer memory;

recording the DV data stored in the DV storage region of the buffer memory into a DV storage region of a disc means;

recording the audio and/or video data stored in the audio and/or video data storage regions of the buffer memory into audio and/or video storage regions of the disc means;

transmitting post recording audio and/or video data into the post recording data storage region on the buffer memory;

recording the post-recording audio or video data stored in the post-recording audio or video data region of the buffer memory into post-recording audio or video data regions of the disc means;

editing the audio and/or video data stored in the audio and/or video data storage regions of the disc means by replacing these data by post-recording audio and/or video data stored in the disc means, and

reproducing the edited audio and/or video data on the disc means by storing these data and the DV data on the disc means into the respective data storage regions of the buffer memory, multiplexing these stored audio and/or video data with these stored DV data and sending out these multiplexed data as DV data.

18. (New) The method of claim 17, wherein the received DV data are organized in blocks and the storing, separating, writing in, reading out, recording and editing of data proceed blockwise by identifying data blocks in the frame unit of the received DV data and processing them blockwise.

19. (New) The method of claim 18, wherein at least a first audio and/or video block and a second audio and/or video block are separated from the received DV data.

20. (New) The method of claim 19, wherein plural said first audio blocks as a first multi-audio block and plural said second audio blocks as a second multi-audio-block are separated from the received DV data.

21. (New) The method of claim 20, wherein said first multi-audio block and said second multi-audio block are formed of audio blocks for 16 frames respectively.

22. (New) The method of one of claims 18 to 21, wherein each data block has constant data length.

23. (New) The method of claim 22, wherein said constant data length is N frame(s), N being a positive integer including 1.

24. (New) A data recording, editing and reproducing device for recording, editing and reproducing video and/or audio data (DV data) in the DV format, said device comprising:
An IEEE 1394 interface circuit (12) for sending and receiving DV data;
a buffer memory (13) for temporarily storing data into a DV data storage region, an audio and/or video data storage region, and a post recording data storage region;
a disc means (15) for recording data into a DV data storage region, an audio and/or video data storage region, and a post recording data storage region;
an insert data generation circuit (20) for providing audio data and/or video data to be inserted into the DV data;

a data recording and reproduction circuit (16,18) for carrying out writing in and reading out data with respect to the disc means (15); and

a separation and multiplexing block (17, 111,161) for separating audio and/or video data from DV data at the time of recording, and multiplexing audio and/or video data with respect to DV-data at the time of reproduction; wherein for recording, reproducing and editing DV data received from the interface circuit (12):

- The DV data sent by the interface circuit (12) being stored into the DV storage region of the buffer memory (13) as they are,

- the separation and multiplexing block (17, 111,161) reading out audio data and/or video data from the DV data stored in the DV storage region of the buffer memory (13) and writing the data into the audio and/or video data storage regions of the buffer memory (13),

- the insert data generation data providing circuit(20) transmitting post recording audio and/or video data into the post recording data storage region on the buffer memory (13),

- the data recording and reproduction circuit (18) recording the DV data stored in the DV storage region of the buffer memory (13) into the DV storage region of the disc means (15), the audio and/or video data stored in the audio and/or video data storage regions of the buffer memory (13) and the post-recording audio or video data stored in the post-recording audio or video data region of the buffer memory (13) into the audio and/or video storage regions and the post-recording audio or video data regions of the disc means (15); wherein for editing purposes audio and/or video data stored in the audio and/or video data storage regions of the disc means (15) are replaced by post-recording audio or video data stored in the disc means (15),and wherein the audio and/or video data on the disc means (15) are reproduced by storing them and the DV data on the disc means (15) into the respective data storage regions of the buffer memory (13), by multiplexing these audio and/or video data with these DV data by means of the separation and multiplexing block (17, 111, 161) and sending them to the interface circuit (12) as DV data.